# The Commonwealth of Massachusetts Executive Office of Health and Human Services Department of Public Health William A. Hinton State Laboratory Institute 305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK GOVERNOR

TIMOTHY P. MURRAY LIEUTENANT GOVERNOR JUDYANN BIGBY, MD SECRETARY

JOHN AUERBACH COMMISSIONER

3/2/2012

Andrius Knasas Assistant District Attorney Suffolk County District Attorney's Office

Dear ADA Knasas,

Enclosed is the information you requested in regards to items

- 1. Curriculum Vitae for Hevis Lleshi and Kate Corbett
- 2.Drug Analysis Laboratory Receipt.
- 3. Control Cards with analytical results for samples
- 4. Analysis sheets with custodial chemist's hand notations and test results.
- 5.GC/Mass Spectral analytical data for samples

Hevis Lleshi was the custodial chemist and performed preliminary testing and net weight for these samples. Kate Corbett was the confirmatory chemist and analyzed the GC/MS data for these samples.

If you have any questions about these materials, please call me at the number below.

Sincerely,

Ms. Hevis Lleshi Chemist I Drug Analysis Laboratory Jamaica Plain, MA 02130 (617) 983-6627

## Curriculum Vitae

## Hevis Lleshi

### Education

Boston University School of Medicine – Master of Science, Forensic Science University of South Florida – Bachelor of Arts, Clinical Psychology

## Related Coursework

Forensic Chemistry • Forensic Toxicology • Forensic Pathology • Forensic DNA Analysis Organic / Analytical Chemistry • Forensic Biology • Biochemistry • Forensic Trace Evidence

## **Employment**

March, 2011 – Present Chemist I, Massachusetts Department of Public Health, Drug Analysis Laboratory

- Appointed Assistant Analyst by Assistant Commissioner of Public Health, June, 2011
- •Responsible for the identification of substances to determine violation of harmful and narcotic drug laws of the Commonwealth of Massachusetts
- Trained in the use of complex analytical instrumentation for the purpose of forensic drug analysis
- Notary Public

## Additional Training and Laboratory Experience

- Completed ten-week training course conducted by Laboratory Senior Staff within the Department of Public Health, Drug Analysis Laboratory, 2011
- GC and GC/MS training with Restek, 2011
- Instrumental Forensic Chemistry/Toxicology Laboratory, Boston University, 2009
- Serology/Bloodstain Pattern Analysis Techniques, Boston University, 2009

Internship, Massachusetts State Police—Marine Section, Boston, MA, 2008 – 2010

#### Associations

- American Academy of Forensic Sciences (AAFS)
- Boston University Forensic Science Society (BUFSS)

## Curriculum Vitae

## Kate A. Corbett

## Education

## Bachelor of Science Degree, CHEMISTRY May 2003

MERRIMACK COLLEGE

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

## **Employment**

Chemist II State Laboratory Institute (March 2008-Present)

Massachusetts Department of Public Health

**Drug Analysis Laboratory** 

- Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

## Chemist I State Laboratory Institute (2005-March 2008)

Massachusetts Department of Public Health

**Drug Analysis Laboratory** 

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

## Research Associate (September 2003 – August 2005)

SENSOR TECHNOLOGIES, INC - Shrewsbury, MA

- > Prepared chemistries used in making sensor beads
- Generated and examined sensors employing fluorescence spectroscopy
- > Performed protein, dye and sugar assays using UV/VIS spectrophotometry
- Carried out titrations on ricin using fluorescence correlation spectroscopy
- Statistical analysis of experimental data

## Intern (March 2003 - August 2003)

MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA

- Assisted in the gathering of case files to fulfill the National Institute of Justice's No Suspect Backlog Reduction Grant
- Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units

DRUG RECEIPT  District/Unit		ID#_767	
DEFENDANT'S NAME	ADDRESS	CITY	STATE
			MA
			MA
		LAB US	SE ONLY
DESCRIPTION OF ITEMS SUBMITTED	GROSS QUANTITY	GROSS WEIGHT	ANALYSIS NUMBER
CRACK COCAINE	1 P/B	1,86a	
CRACK COCAINE	1 7/3	1.81	
CRACK COCAINE  CRACK CICAINS  MIS	1 916	1,900	
-	-	-	
To be completed by ECU personnel only  Name and Rank of Submitting Officer	Im Jog	ID#	·
Received by			•
		ECU Control #	 Folk_OIG_PRR_078

Date Analyzed: City: Boston D.C.U. Police Dept. Officer: P.O. Diana Lopez Def: Amount: Subst: SUB Cont: pb No. Cont: Date Rec'd: 07/06/2011 No. Analyzed: Net Weight: Ә. 기약 약 Gross Wt.: 1.86 #Tests: 6 Prelim: Gcaine (HLL) Findings: Date Analyzed: City: Boston D.C.U. Police Dept. Officer: P.O. Diana Lopez Def: Amount: Subst: SUB No. Cont: Cont: pb Date Rec'd: 07/06/2011 No. Analyzed: Gross Wt.: 1.81 Net Weight: 〇. 12文 Prelim: (Decine (Hu) Findings: Date Analyzed: City: Boston D.C.U. Police Dept. Officer: P.O. Diana Lopez Def: Amount: Subst: SUB No. Cont: Cont: pb Date Rec'd: 07/06/2011 No. Analyzed: Net Weight: O. 149 1.90 Gross Wt.: Prelim: Cocalne (HL) Findings:

# DRUG POWDER ANALYSIS FORM

SAMPLE#	AGENCY_	Boston	ANALYST	HL
No. of samples tested:			Evidence Wt.	OK
PHYSICAL DESCRIPTION:			Gross Wt( ):	0.2217.0
			Gross Wt ( ):_	· C
	One pb	contoinio	Pkg. Wt:	
	off cut	He Subs	donce, Net Wt:	0.19070
	One pi	ece of bot	Pkg. Wt:_ dence, Net Wt:_ her uidence	6
	olse Incl	uded in e	ui'dence	
	bog.			
•				•
	•			
PRELIMINARY TESTS Spot Tests	·.	<u>.N</u>	licrocrystalline Tests	
Cobalt Thiocyanate ( ) + week ( +	blue cul a	ad Chlo	Gold ride+	
Marquis		TL	TA (-) + cer	oald
Froehde's			OTHER TESTS	
Mecke's_		#		
	•		· .	
		<del></del>		
PRELIMINARY TEST RESULTS		GC/MS	CONFIRMATORY T	EST
RESULTS (BCOINC		RESUL		
DATE 2/11/2012		M OPERATO	s VO	
		DA'	0111	12012

# DRUG POWDER ANALYSIS FORM

SAMPLE# AGENO	Y BOSTON ANALYST HLL
No. of samples tested:	Evidence Wt. OK
PHYSICAL DESCRIPTION:	Gross Wt ( ): 0. 14219
0/30 0/50 0/50	Gross Wt ():  b containing Pkg. Wt:  white substance. Net Wt: 0.12029  Included in
evi d	ence box.
PRELIMINARY TESTS Spot Tests	Microcrystalline Tests
Cobalt Thiocyanate ( ) + weok/ + Where a	Gold   acid Chloride
Marquis	TLTA ( )
Froehde's	OTHER TESTS
Mecke's	•
PRELIMINARY TEST RESULTS	GC/MS CONFIRMATORY TEST
RESULTS Cocoine	RESULTS (SCAINE
DATE 2/11/2012	MS OPERATOR KAC
	DATE 2//6/2012

## DRUG POWDER ANALYSIS FORM

SAMPLE#	AGENCY Bos	oten	ANALYST	HIL	Theorem Theorem
No. of samples tested:		E	ividence Wt.	OK	· · · · · · · · · · · · · · · · · · ·
PHYSICAL DESCRIPTION:		Gros	ss Wt( ):	0.2	89.6
		Gros	ss Wt ( ):		
	One pb cor	Hoining	Pkg. Wt:		
	off white	noted we.	<sup>CQ</sup> Net Wt:	0.179	700
	off white One piece olso includence	of paper			2
	evidence	boo.			
				,	
•		•			•
		•			
PRELIMINARY TESTS Spot Tests		Microcr	ystalline Tests		
Cobalt Thiocyanate ( ) + cock   + b	plue w/aud	Gold Chloride	+		
Marquis	•	TLTA <u>( – </u>	·) + c2/	acid	
Froehde's		нто	ER TESTS		•
Mecke's	<b>+</b>		*		
		War and the second		Purisional Control of the Control of	
	•				
PRELIMINARY TEST RESULTS		GC/MS CONI	FIRMATORY TE	ST	
RESULTS Cocalor		RESULTS	(Scoln	P	
DATE 2/11/2012		MS OPERATOR	L'A		
		DATE	2/16/	2012	

## Area Percent / Library Search Report

2/21/13 JKAC

Information from Data File:

File Name : C:\msdchem\1\System7\02 14 12\817004.D

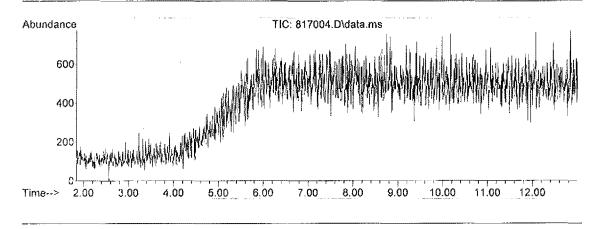
Operator : KAC

Date Acquired : 14 Feb 2012 14:50

Sample Name : BLANK

Submitted by

Vial Number : 1 AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time

Area

Area

Ratio %

\*\*\*NO INTEGRATED PEAKS\*\*\*

## Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02\_14\_12\817005.D

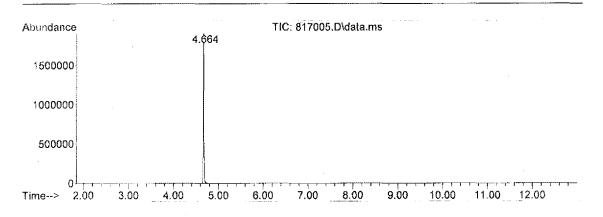
Operator : KAC

Date Acquired : 14 Feb 2012 15:06

Sample Name : COCAINE STD

Submitted by

Vial Number : 5 AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.664	1806340	100.00	100.00

File Name : C:\msdchem\1\System7\02 14 12\817005.D

Operator : KAC

Date Acquired : 14 Feb 2012 15:06

Sample Name : COCAINE STD

Submitted by

Vial Number : 5 AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 85

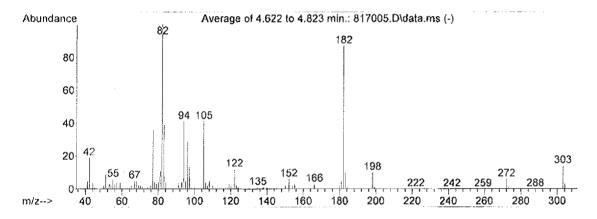
C:\Database\NIST05a.L

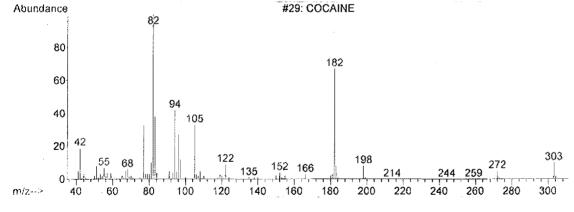
Minimum Quality: 85

C:\Database\PMW\_TOX2.L

PK# RT Library/ID CAS# Qual

1 4.66 C:\Database\SLI.L COCAINE 000050-36-2 99



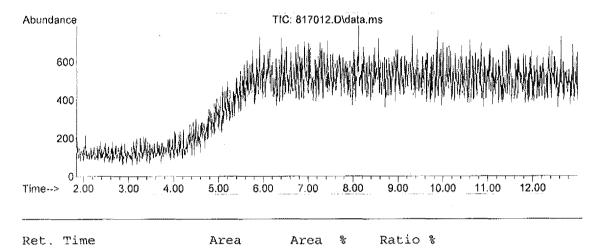


File Name : C:\msdchem\1\System7\02\_14\_12\817012.D

Operator : KAC

Date Acquired : 14 Feb 2012 16:55

Sample Name : BLANK
Submitted by : HLL
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



\*\*\*NO INTEGRATED PEAKS\*\*\*

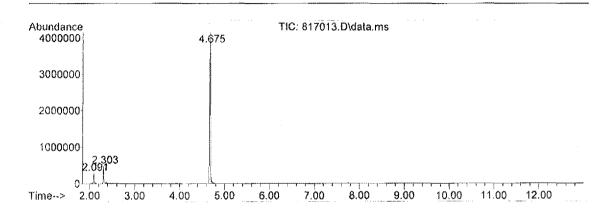
File Name : C:\msdchem\1\System7\02\_14\_12\817013.D

Operator : KAC

Date Acquired : 14 Feb 2012 17:10

Sample Name Submitted by

Submitted by : HLL
Vial Number : 13
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
2.091	302151	4.44	4.98	
2.303	439472	6.46	7.25	
4.675	6062830	89.10	100.00	

File Name : C:\msdchem\1\System7\02 14\_12\817013.D

Operator : KAC

Date Acquired : 14 Feb 2012 17:10

Sample Name

Submitted by : HLL Vial Number : 13 AcquisitionMeth: DRUGS.M Integrator : RTE

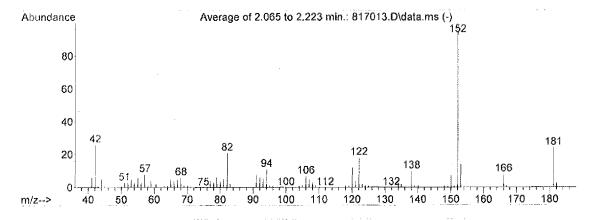
Search Libraries: C:\Database\SLI.L

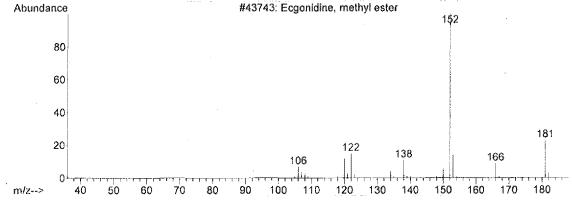
Minimum Quality: 85

C:\Database\NIST05a.L

Minimum Quality: 85

	PK#	RT	Library/ID	CAS#	Qual
_	1	2.09	C:\Database\NIST05a.L		
			Ecgonidine, methyl ester 2-Carbomethoxy-8-methyl-8-azabicycl	127379-24-2	98 97
			Benzeneethanamine, 3,4-dimethoxy-	000120-20-7	43





File Name : C:\msdchem\1\System7\02\_14\_12\817013.D

Operator KAC

Date Acquired 14 Feb 2012 17:10

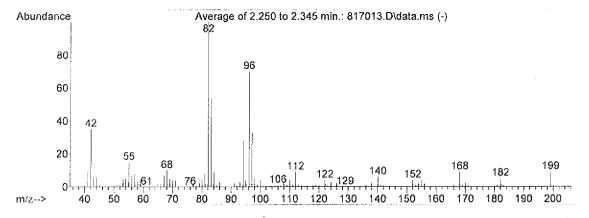
Sample Name

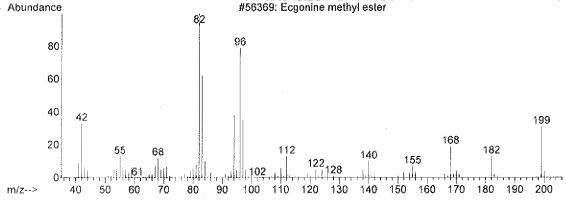
Submitted by 13 Vial Number AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 85 C:\Database\NIST05a.L Minimum Quality: 85

PK#	RT	Library/ID	CAS#	Qual
2	2.30	C:\Database\NIST05a.L Ecgonine methyl ester Ecgonine methyl ester	106293-60-1 106293-60-1	98 97
		Pseudoecgonine methyl ester	099189-88-5	96





File Name : C:\msdchem\1\System7\02 14 12\817013.D

Operator : KAC

Date Acquired 14 Feb 2012 17:10

Sample Name

: HLL Submitted by Vial Number 13 AcquisitionMeth: DRUGS.M Integrator ; RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 85 C:\Database\NIST05a.L Minimum Quality: 85

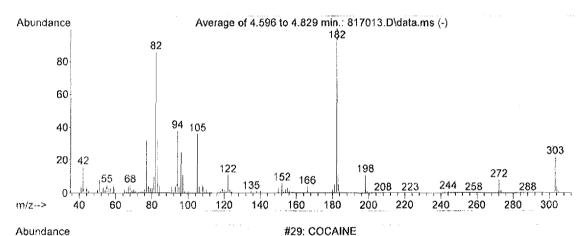
99

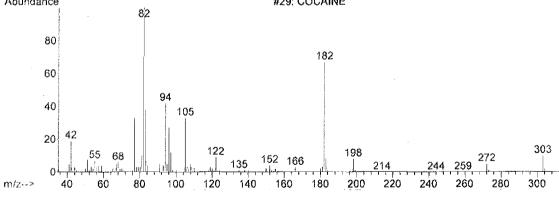
C:\Database\PMW\_TOX2.L

PK# RTLibrary/ID CAS# Qual

C:\Database\SLI.L 3 4.68

000050-36-2 COCAINE



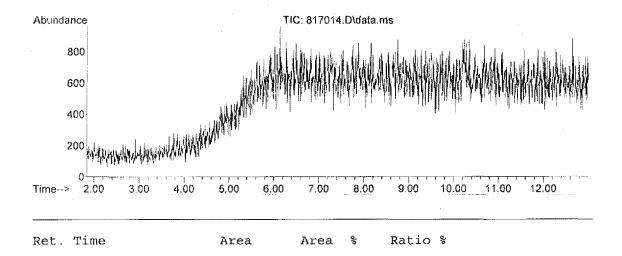


File Name : C:\msdchem\1\System7\02\_14\_12\817014.D

Operator : KAC

Date Acquired : 14 Feb 2012 17:26

Sample Name : BLANK
Submitted by : HLL
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



\*\*\*NO INTEGRATED PEAKS\*\*\*

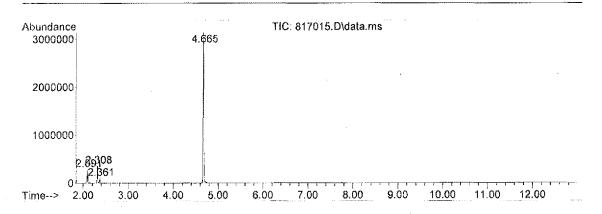
File Name : C:\msdchem\1\System7\02\_14\_12\817015.D

Operator : KAC

Date Acquired : 14 Feb 2012 17:41

Sample Name

Submitted by : HLL Vial Number : 15 AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
2.091	278661	6.70	8.17	
2.308	359070	8.64	10,53	
2.361	110423	2.66	3.24	
4.665	3409068	82.00	100.00	

File Name : C:\msdchem\1\System7\02 14 12\817015.D

Operator : KAC

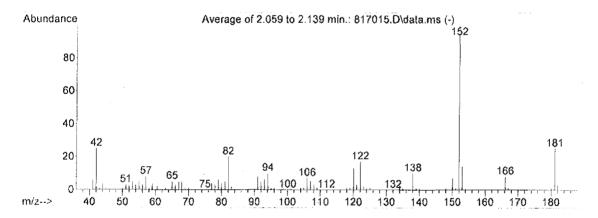
Date Acquired : 14 Feb 2012 17:41

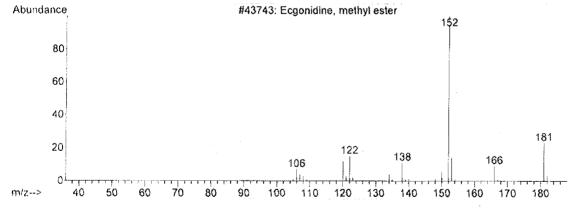
Sample Name :
Submitted by : HLL
Vial Number : 15
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 85

C:\Database\NIST05a.L Minimum Quality: 85

PK#	RT	Library/ID	CAS#	Qual
 1	2.09	C:\Database\NIST05a.L		
		Ecgonidine, methyl ester	127379-24-2	98
		2-Carbomethoxy-8-methyl-8-azabicycl	043021-26-7	97
		Benzeneethanamine, 3,4-dimethoxy-	000120-20-7	43





: C:\msdchem\1\System7\02 14 12\817015.D File Name

Operator : KAC

Date Acquired 14 Feb 2012 17:41

Sample Name

Submitted by : HLL Vial Number 15 AcquisitionMeth: DRUGS.M Integrator : RTE

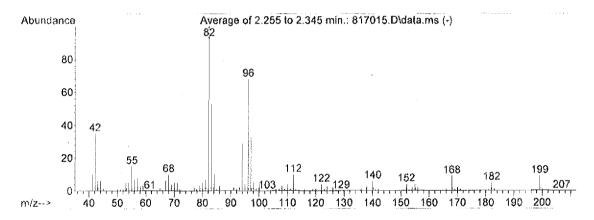
Search Libraries: C:\Database\SLI.L

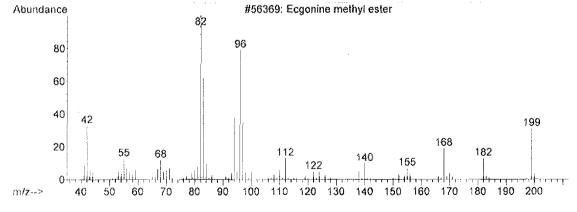
Minimum Quality: 85 Minimum Quality: 85

C:\Database\NIST05a.L

CACH	Oual

PK#	RT	Library/ID	CAS#	Qual
2	2.31	C:\Database\NIST05a.L Ecgonine methyl ester Ecgonine methyl ester Ecgonine methyl ester	106293-60-1 106293-60-1 106293-60-1	98 97 97





File Name : C:\msdchem\1\System7\02 14 12\817015.D

: KAC Operator

Date Acquired : 14 Feb 2012 17:41

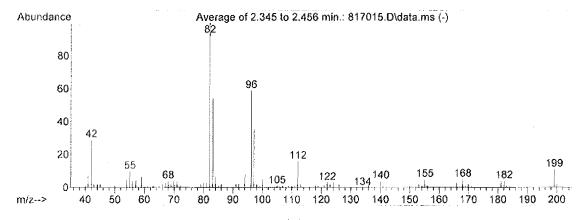
Sample Name : B11-07335

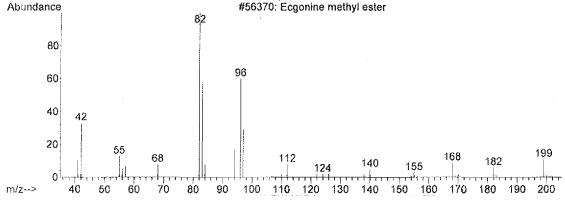
Submitted by : HLL Vial Number 15 AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 85 C:\Database\NIST05a.L Minimum Quality: 85

PK#	RT	Library/ID	CAS#	Qual
3	2.36	C:\Database\NIST05a.L Ecgonine methyl ester Pseudoecgonine methyl ester Ecgonine methyl ester	106293-60-1 099189-88-5 106293-60-1	94 94 90





File Name : C:\msdchem\1\System7\02\_14\_12\817015.D

Operator : KAC

Date Acquired 14 Feb 2012 17:41

Sample Name

Submitted by HLL Vial Number 15 AcquisitionMeth: DRUGS.M Integrator RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 85 Minimum Quality: 85

C:\Database\NIST05a.L

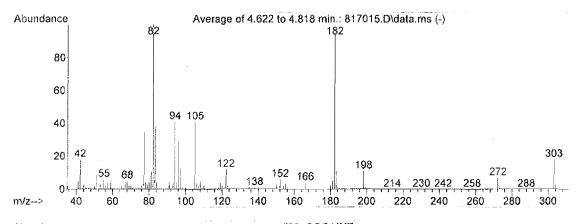
C:\Database\PMW TOX2.L

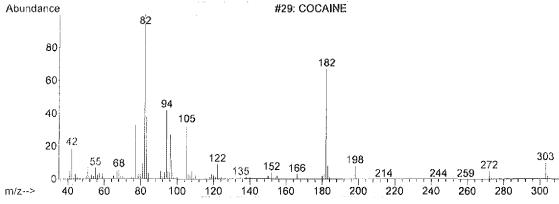
PK# RT Library/ID CAS# Qua1

4.66 C:\Database\SLI.L

COCAINE

000050-36-2 99



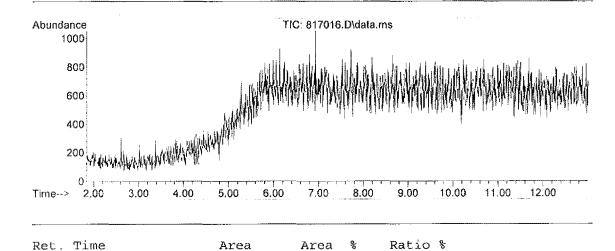


File Name : C:\msdchem\1\System7\02\_14\_12\817016.D

Operator : KAC

Date Acquired : 14 Feb 2012 17:57

Sample Name : BLANK
Submitted by : HLL
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



\*\*\*NO INTEGRATED PEAKS\*\*\*

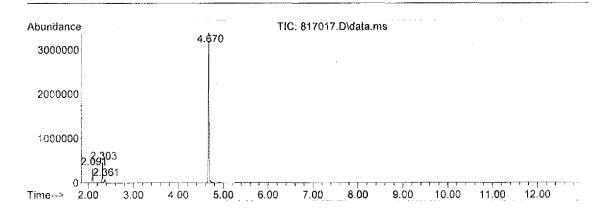
File Name : C:\msdchem\1\System7\02\_14\_12\817017.D

Operator : KAC

Date Acquired : 14 Feb 2012 18:13

Sample Name

Submitted by : HLL Vial Number : 17 AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
2.091	343852	6.84	8.37	
2.303	455781	9.06	11.09	
2.361	119064	2.37	2.90	
4.670	4110325	81.73	100.00	

File Name : C:\msdchem\1\System7\02\_14\_12\817017.D

Operator : KAC

Date Acquired : 14 Feb 2012 18:13

Sample Name

Submitted by : HLL Vial Number : 17 AcquisitionMeth: DRUGS.M Integrator : RTE

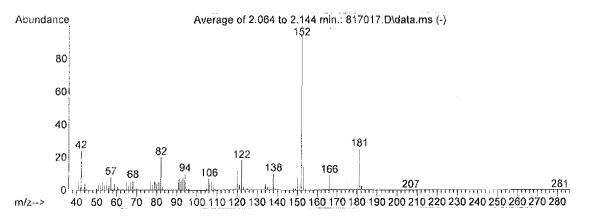
Search Libraries: C:\Database\SLI.L

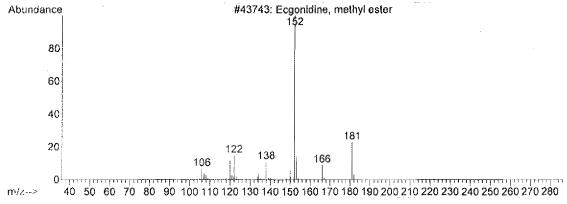
Minimum Quality: 85

C:\Database\NIST05a.L

Minimum Quality: 85

PK#	RT	Library/ID	CAS#	Qual
1	2.09	C:\Database\NIST05a.L Ecgonidine, methyl ester 2-Carbomethoxy-8-methyl-8-azabicycl 3,5-Dimethoxyphenethylamine	127379-24-2 043021-26-7 003213-28-3	98 97 43





File Name : C:\msdchem\1\System7\02 14 12\817017.D

Operator : KAC

Date Acquired : 14 Feb 2012 18:13

Sample Name

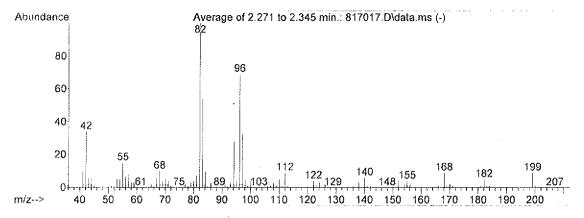
Submitted by HLL Vial Number 17 AcquisitionMeth: DRUGS.M RTE Integrator

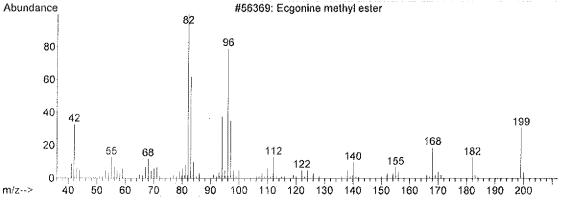
Search Libraries: C:\Database\SLI.L

Minimum Quality: 85 Minimum Quality: 85

C:\Database\NIST05a.L

PK#	PK# RT Library/ID		CAS#	Qual	
2	2.30	C:\Database\NIST05a.L Ecgonine methyl ester Ecgonine methyl ester Ecgonine methyl ester	106293-60-1 106293-60-1 106293-60-1	98 98 97	





File Name : C:\msdchem\1\System7\02 14 12\817017.D

Operator KAC

Date Acquired 14 Feb 2012 18:13

Sample Name Submitted by

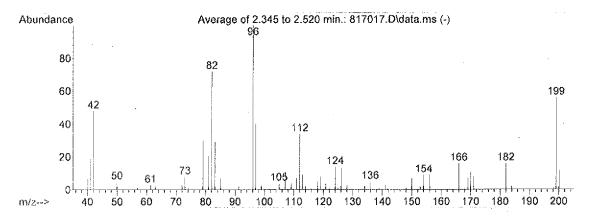
HLL Vial Number 17 AcquisitionMeth: DRUGS.M Integrator : RTE

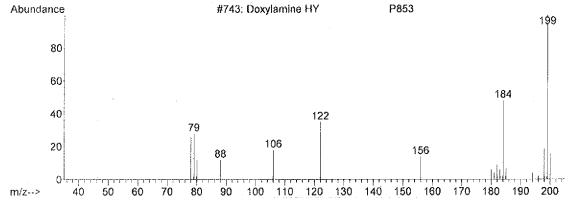
Search Libraries: C:\Database\SLI.L

Minimum Quality: 85 Minimum Quality: 85

C:\Database\NIST05a.L

PK#	RT	Library/ID		CAS#	Qual
 3	2.36	C:\Database\PMW TOX2.L			na mananana na si adalahin di sa Adalah Ali Salah
		Doxylamine HY		000000-00-0	9
		Phenothiazine	@	000092-84-2	7
		Flurbiprofen		005104-49-4	4





File Name : C:\msdchem\1\System7\02 14 12\817017.D

KAC Operator

Date Acquired 14 Feb 18:13

Sample Name Submitted by НГГ Vial Number 17

AcquisitionMeth: DRUGS.M

: RTE Integrator

Search Libraries: C:\Database\SLI.L

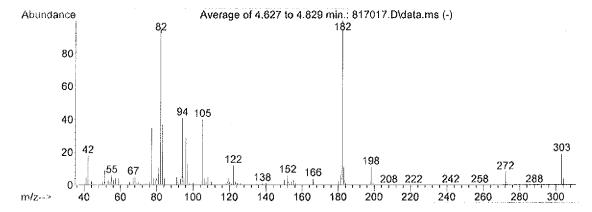
Minimum Quality: 85 C:\Database\NIST05a.L Minimum Quality: 85

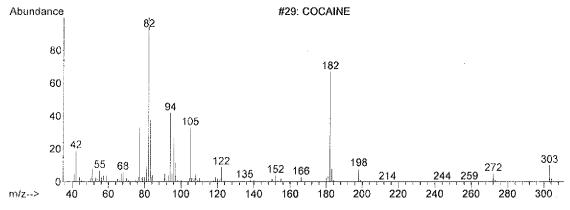
C:\Database\PMW TOX2.L

PK# CAS# RTLibrary/ID Qual

4.67 C:\Database\SLI.L

COCAINE 000050-36-2





99

File Name : C:\msdchem\1\System7\02 14 12\817027.D

Operator : KAC

Date Acquired : 14 Feb 2012 20:49

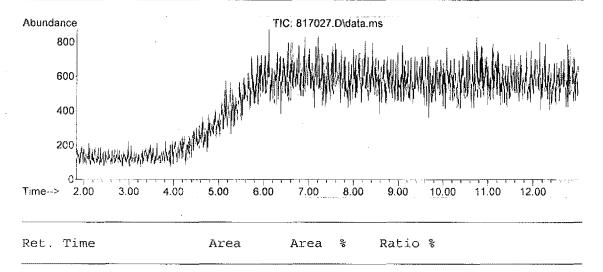
Sample Name : BLANK

Submitted by

Vial Number : 1

AcquisitionMeth: DRUGS.M

Integrator : RTE



\*\*\*NO INTEGRATED PEAKS\*\*\*

: C:\msdchem\1\System7\02\_14\_12\817028.D File Name

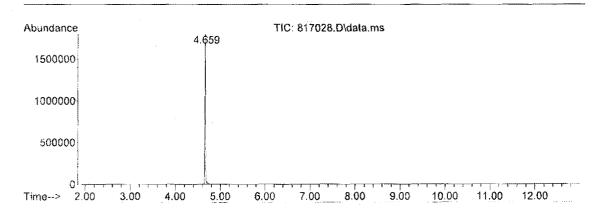
: KAC Operator

Date Acquired : 14 Feb 2012 21:05

Sample Name : COCAINE STD

Submitted by

; Vial Number 28 AcquisitionMeth: DRUGS.M : RTE Integrator



Ret. Time	Area	Area %	Ratio %
4.659	1771642	100.00	100.00

File Name : C:\msdchem\1\System7\02\_14\_12\817028.D

Operator KAC

Date Acquired 14 Feb 2012 21:05

Sample Name COCAINE STD

Submitted by

Abundance

Vial Number 28 AcquisitionMeth: DRUGS.M

Integrator : RTE

Search Libraries: C:\Database\SLI.L

C:\Database\NIST05a.L

C:\Database\PMW TOX2.L

Minimum Quality: 85 Minimum Quality: 85

PK# RT Library/ID CAS# Qual

1 4.66 C:\Database\SLI.L

82

COCAINE

000050-36-2 99

Average of 4.627 to 4.829 min.: 817028.D\data.ms (-) 182

